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Investigation Title: Utilization of ERTS-A Data in Geological Evaluation
Regional Planning, Forest Management, and Water
Management in North Carolina

Proposal No. 18

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3. Mineral Resources, Geological Structures, and Landform Surveys

A. Structural Surveys

Structural trends in the volcanic slate belt may be recognized in Image No. 1045-15254, near High Rock Lake and Badin Lake. The geologic quadrangle map of the area (U. S. G. S. GQ-872) indicates the presence of a southward-plunging syncline. The northeast-trending Paleozoic granitic intrusives between 10 and 15 miles northwest of Greensboro are clearly recognizable as linear features. The boundary between the Coastal Plain and the Piedmont areas of the state is clearly recognizable, and the drainage pattern in the Coastal Plain is particularly well documented. Floodplain mapping along major streams seems possible.

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IN GEOLOGICAL EVALUATION REGIONAL
PLANNING, FOREST MANAGEMENT, AND WATER

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